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## 9 Supplementary Tables

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11 **Supplementary Table S1** *m/z* values of compounds located in large peltate trichomes of leaves of *S.*  
12  *barbata*, together with tentative identification of some based on accurate mass and MS2 data from  
13 methanolic extracts of trichomes. *m/z* values of compounds identified in medium and small leaf trichomes  
14 and in stem trichomes.

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MALDI Imaging summary Peltate Trichome Type	MALDI signals	Likely identity of clerodanes
Present in large peltate trichomes 49 compounds (15 clerodanes + 34 other compounds)	591.19	Scutehenanine H
	592.19	
	598.2	Scutebata M?
	595.21	Scutelinquinane B
	656.24	Scutebata M?
	498.20	Scutebarbata O
	315.08	Dihydroxydimethyl flavone
	351.13	2 $\alpha$ -hydroxydeacetyl ajugarin
	345.09	Dihydroxytrimethoxy flavone
	558.22	Scutebarbatine Y
	559.2	Scutebarbatine A
	561.2	Barbatin B
	577.24	6-O-nicotinoylscutebarbatine G
	596.19	Scutebarbatine L 6-O-(2-oxo-3-methylbutanoyl)
	552.19	scutehenanine A?
536.18		
594.21		
Present in medium and small peltate trichomes only, 9 compounds (4 clerodanes + 5 other compounds)	516.17	Scutebarbatine I
	514.14	Scutelinquinane A
	551.16	
	562.17	
	490.14	
	515.16	
Stem peltate trichomes	550.16	
	654.25	
	550.14	
	627.15	
	495.13	

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